

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061756.D
 Acq On : 11 Jun 2020 18:47
 Operator : JC/MD
 Sample : L2988-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D5-20200608

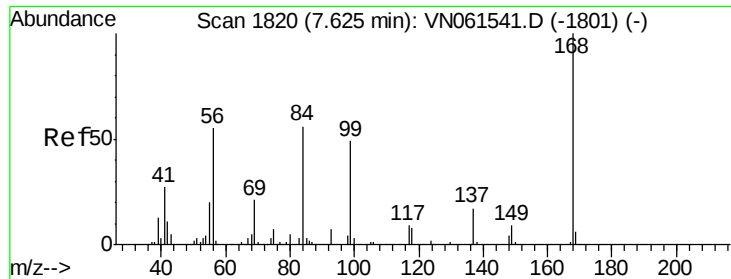
Manual Integrations
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 6/12/2020 5:46:16 PM

Quant Time: Jun 12 08:20:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	267693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	458462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	451630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	200658	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	154695	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.55	113	132489	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
50) Toluene-d8	10.06	98	555517	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.38	95	190998	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
Target Compounds						
2) Dichlorodifluoromethane	1.83	85	3623	2.293	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.72	101	31243	12.203	ug/l	91
12) 1,1-Dichloroethene	3.70	96	6015	2.199	ug/l	85
27) cis-1,2-Dichloroethene	6.79	96	4925m	1.410	ug/l	
30) Chloroform	7.32	83	4767	0.862	ug/l	95
38) Carbon Tetrachloride	7.73	117	2426	0.620	ug/l	86
44) Trichloroethene	8.80	130	362064	94.080	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	1131	0.347	ug/l #	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061756.D

Acq: 11 Jun 2020 18:47

Instrument :

MSVOA_N

ClientSampleId :

RE132D5-20200608

Tot Ion:168 Resp: 267693

Ion Ratio Lower Upper

168 100

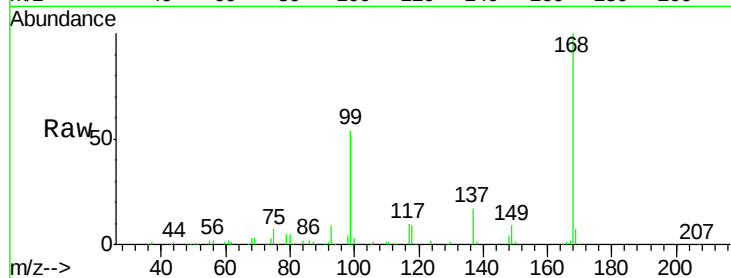
99 54.0 45.0 67.4

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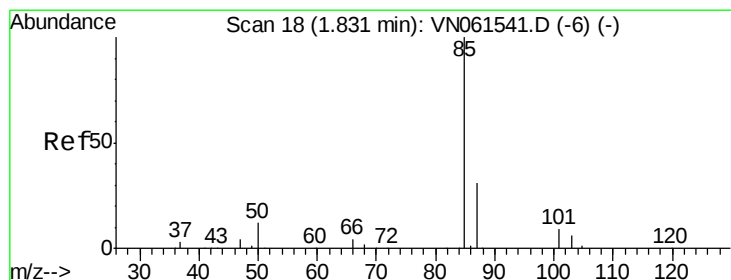
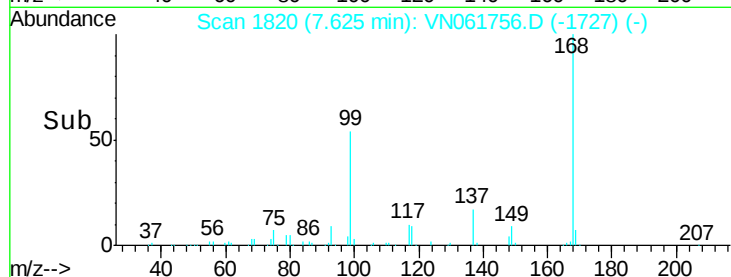
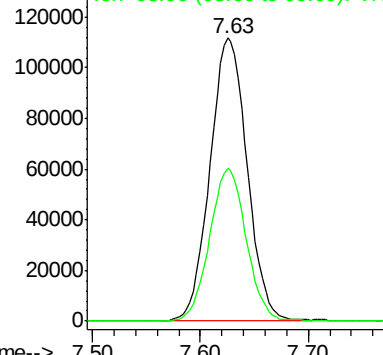
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 2.293 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN061756.D

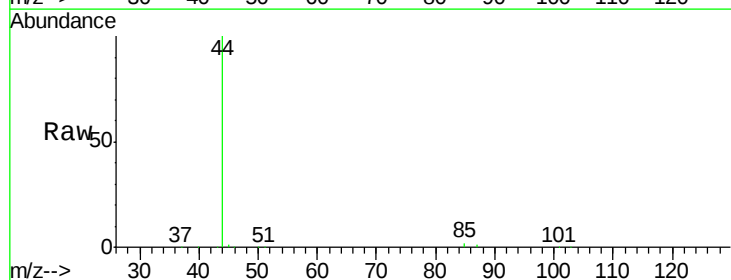
Acq: 11 Jun 2020 18:47

Tgt Ion: 85 Resp: 3623

Ion Ratio Lower Upper

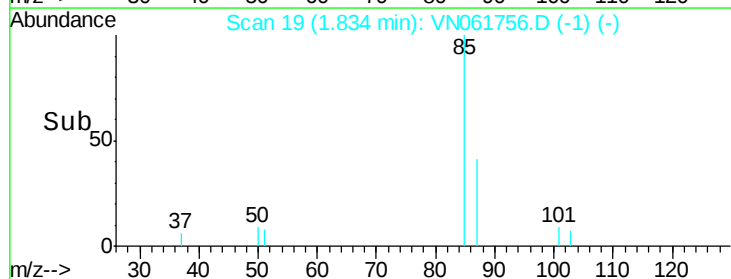
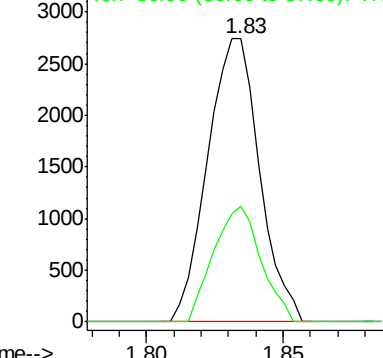
85 100

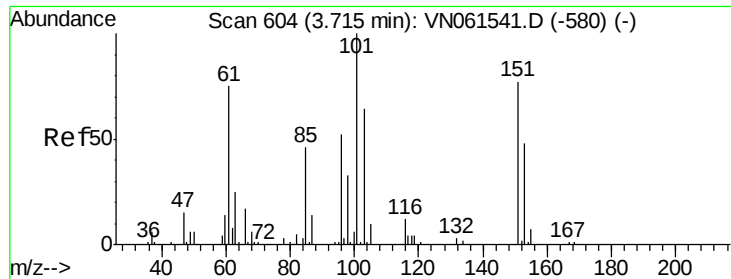
87 40.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.203 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061756.D

Acq: 11 Jun 2020 18:47

Instrument :

MSVOA_N

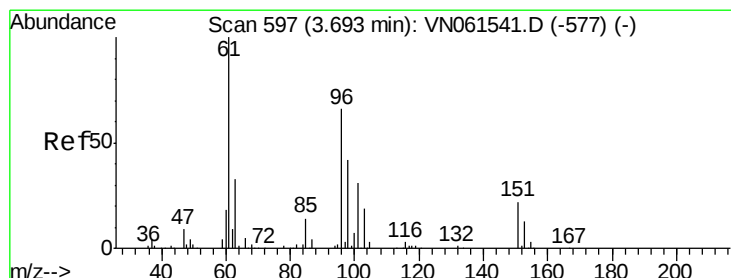
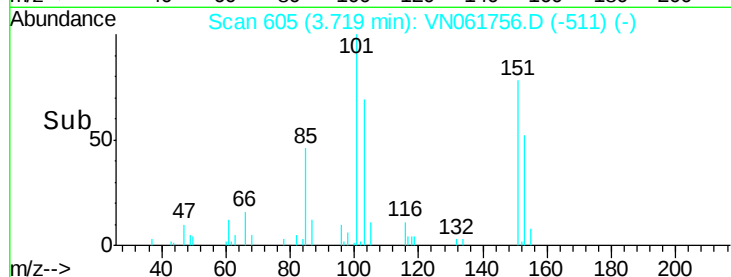
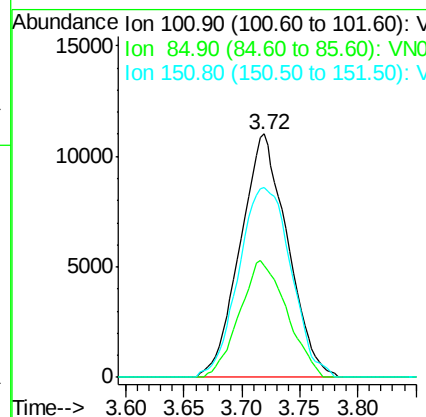
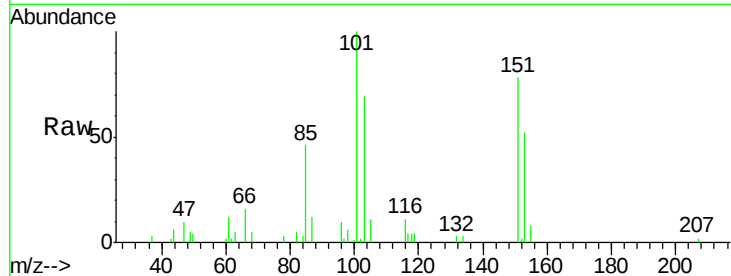
ClientSampleId :

RE132D5-20200608

Tot Ion:	101	Resp:	31243
Ion Ratio	Lower	Upper	
101	100		
85	47.8	35.2	52.8
151	86.2	61.0	91.6

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#12

1,1-Dichloroethene

Concen: 2.199 ug/l

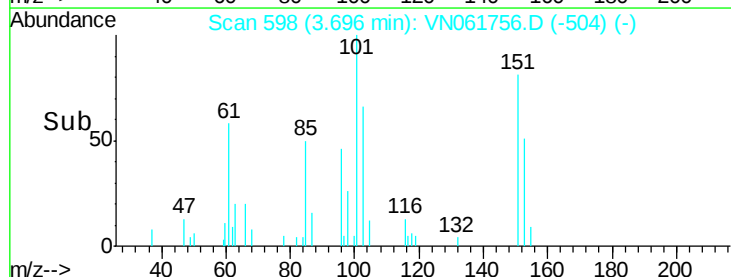
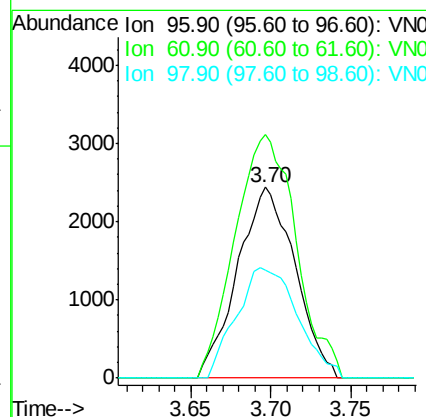
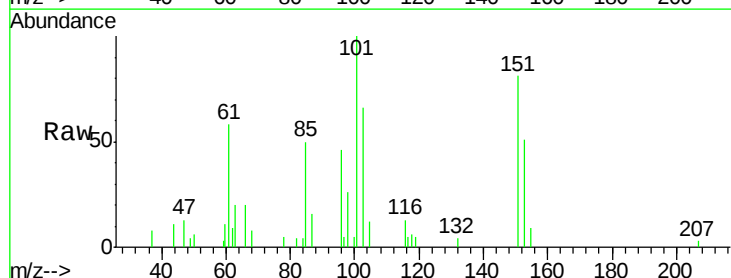
RT: 3.70 min Scan# 598

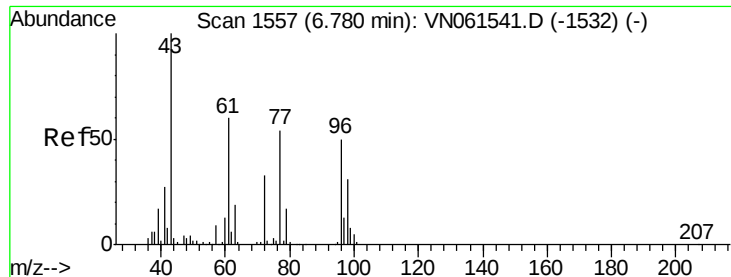
Delta R.T. 0.00 min

Lab File: VN061756.D

Acq: 11 Jun 2020 18:47

Tgt Ion:	96	Resp:	6015
Ion Ratio	Lower	Upper	
96	100		
61	127.8	120.5	180.7
98	56.4	50.8	76.2





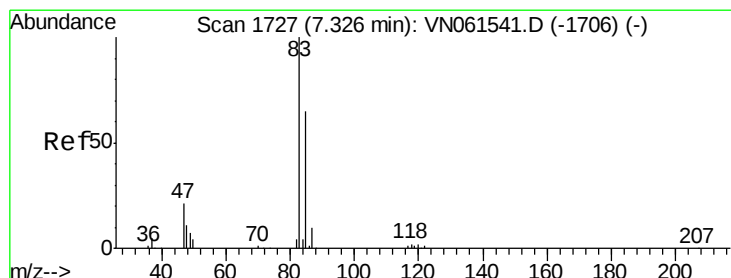
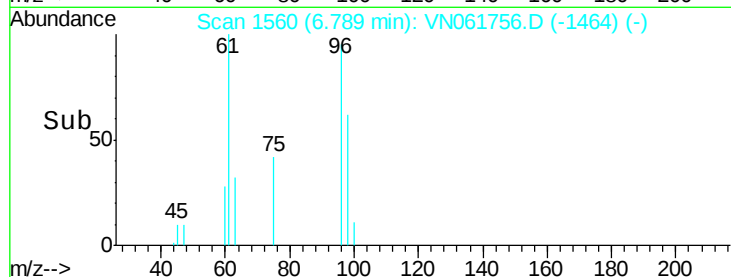
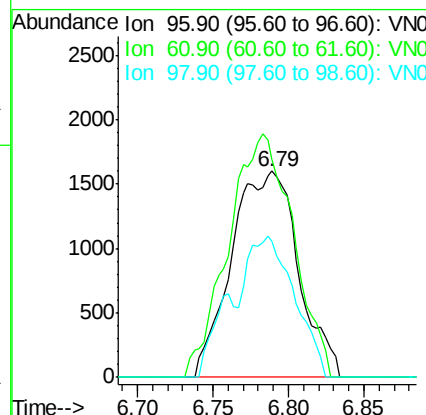
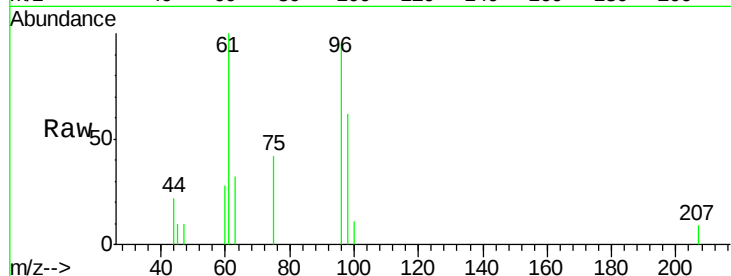
#27
 cis-1,2-Dichloroethene
 Concen: 1.410 ug/l m
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.01 min
 Lab File: VN061756.D
 Acq: 11 Jun 2020 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D5-20200608

Tot Ion	Ratio	Lower	Upper
96	100		
61	113.7	0.0	252.2
98	48.7	0.0	129.2

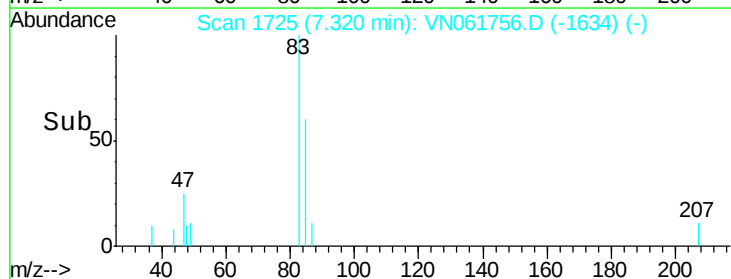
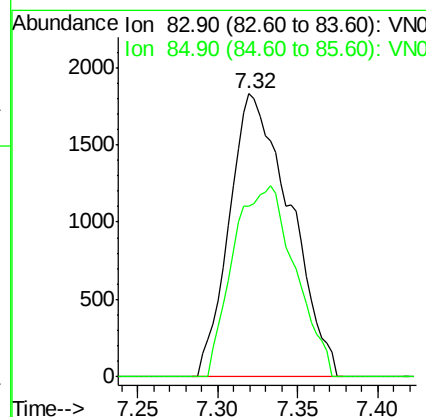
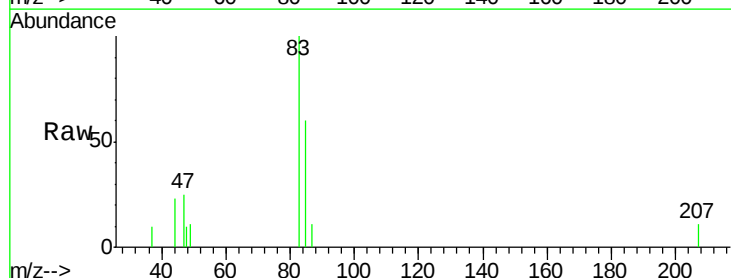
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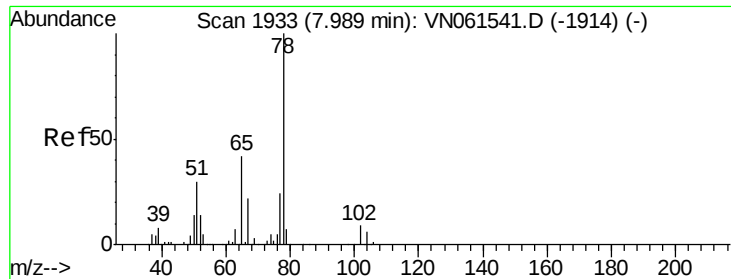
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#30
 Chloroform
 Concen: 0.862 ug/l
 RT: 7.32 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: VN061756.D
 Acq: 11 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.7	77.5





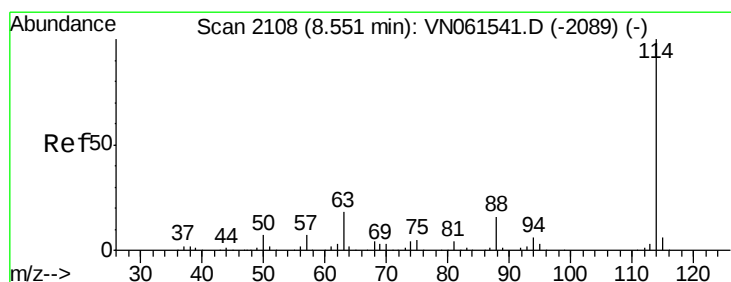
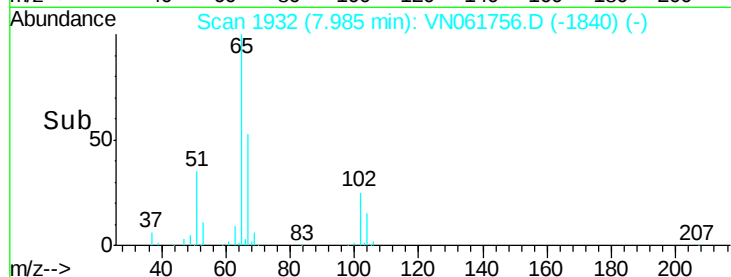
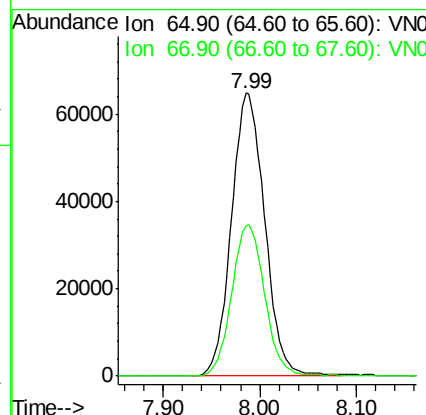
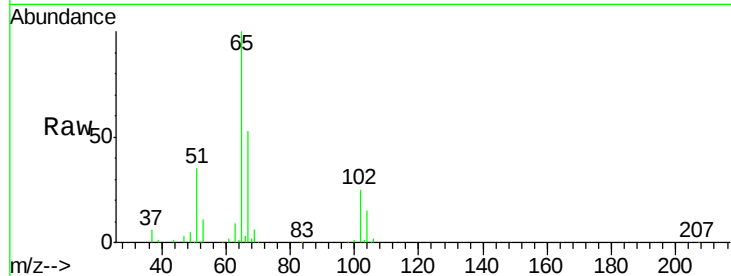
#33
 1,2-Dichloroethane-d4
 Concen: 48.503 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061756.D
 Acq: 11 Jun 2020 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D5-20200608

Tot Ion	Ratio	Resp	Lower	Upper
65	100	154695		
67	52.9	0.0	104.8	

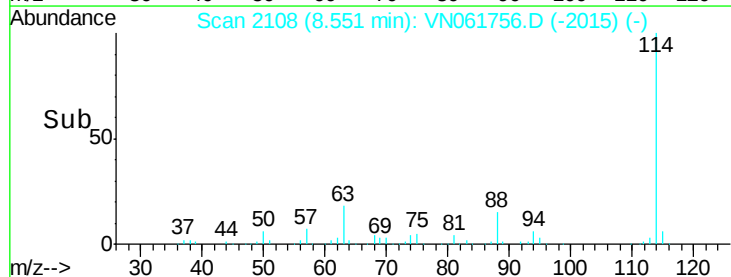
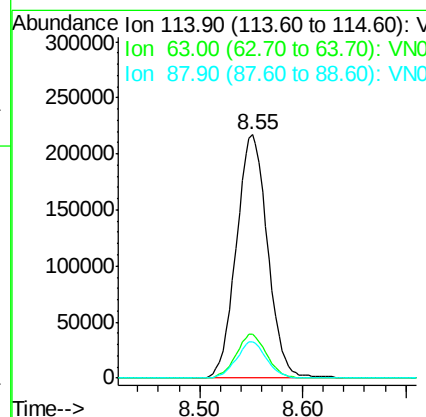
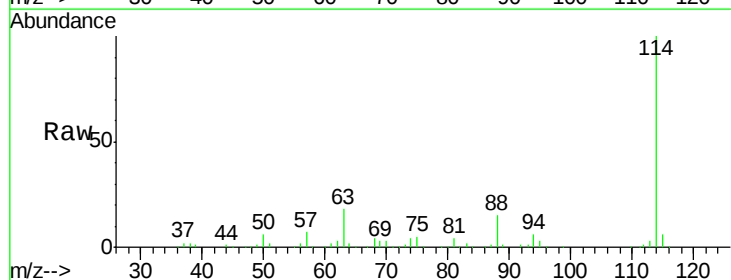
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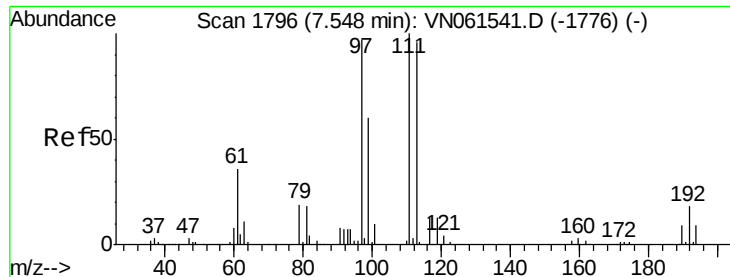
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061756.D
 Acq: 11 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	458462		
63	17.9	0.0	35.8	
88	14.9	0.0	31.0	





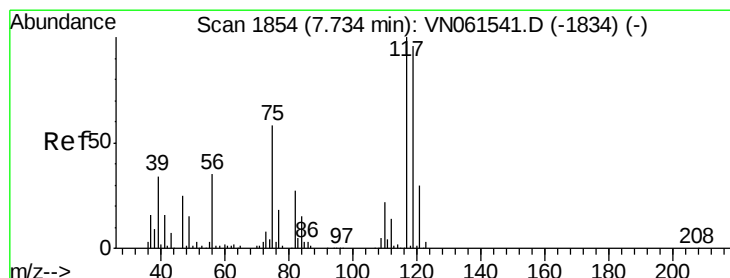
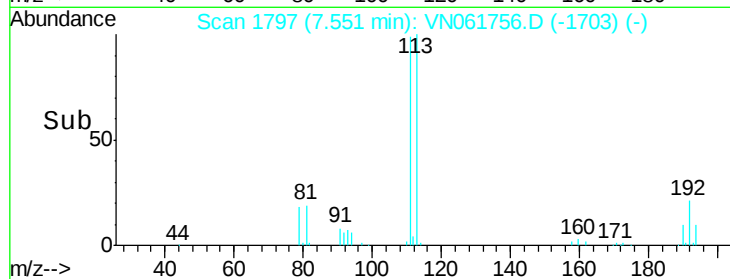
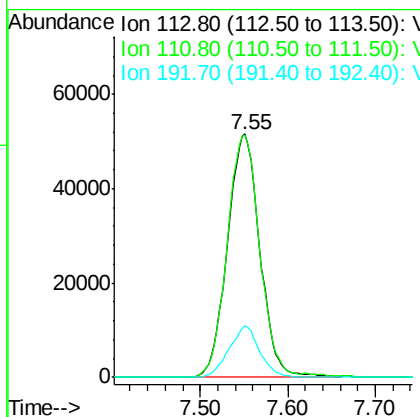
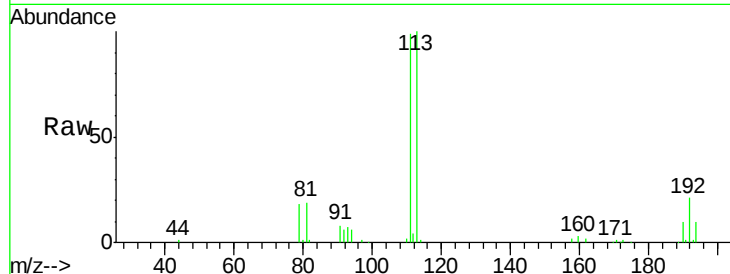
#35
Dibromofluoromethane
Concen: 56.968 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061756.D
Acq: 11 Jun 2020 18:47

Instrument :
MSVOA_N
ClientSampleId :
RE132D5-20200608

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132489		
111	99.6	83.4	125.0	
192	20.0	15.4	23.2	

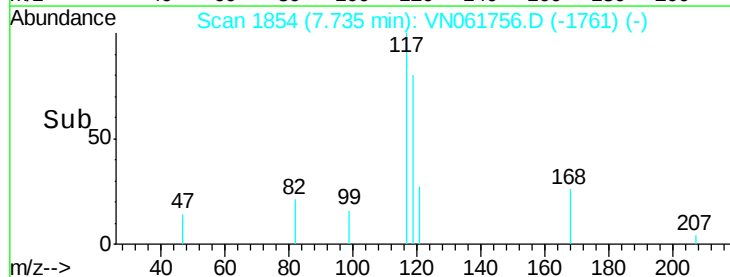
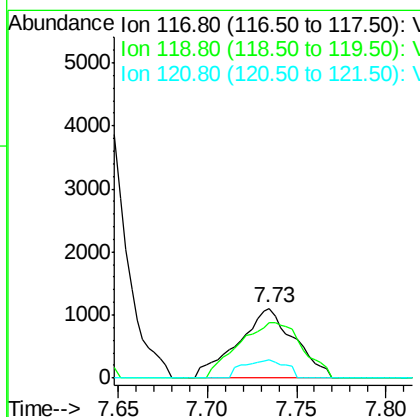
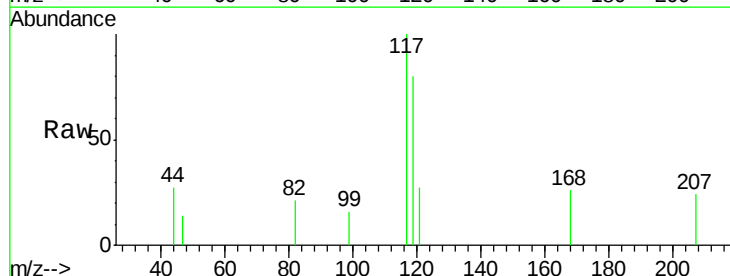
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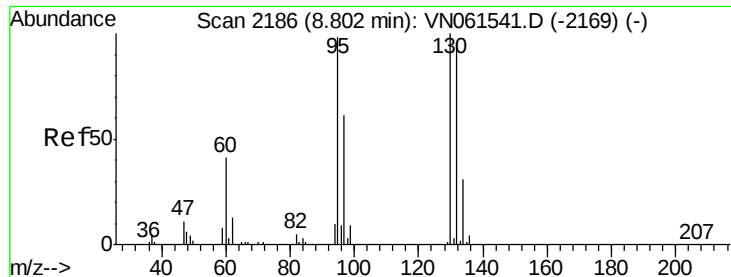
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#38
Carbon Tetrachloride
Concen: 0.620 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061756.D
Acq: 11 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	2426		
119	79.8	76.5	114.7	
121	27.0	24.1	36.1	





#44

Trichloroethene

Concen: 94.080 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061756.D

Acq: 11 Jun 2020 18:47

Instrument :

MSVOA_N

ClientSampleId :

RE132D5-20200608

Tot Ion:130 Resp: 362064

Ion Ratio Lower Upper

130 100

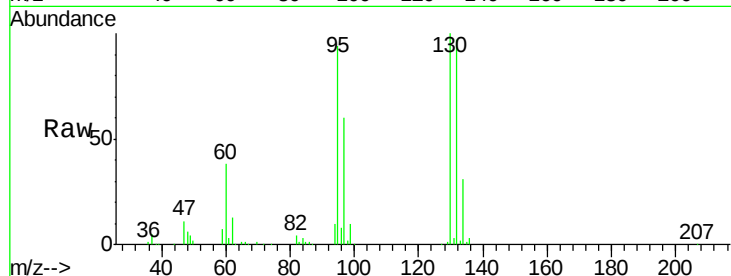
95 94.1 0.0 196.6

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): VN061756.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061756.D (-2093) (-)

8.80

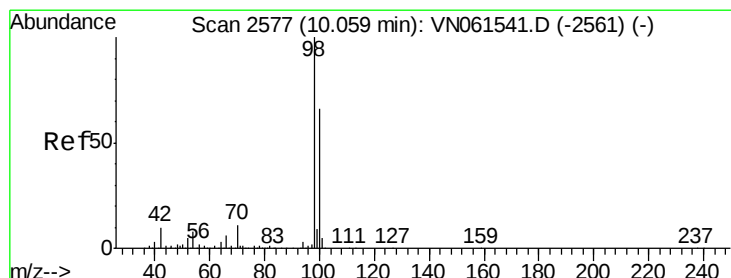
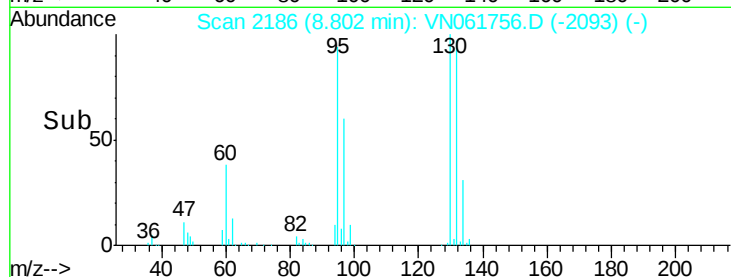
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 51.544 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061756.D

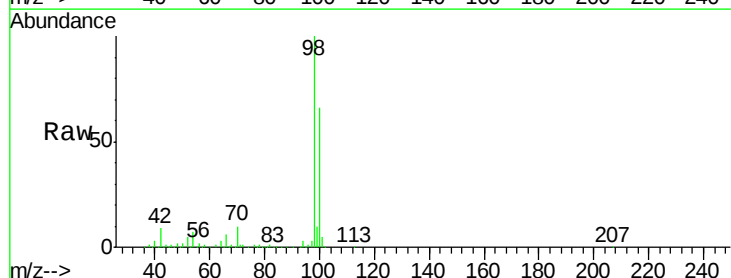
Acq: 11 Jun 2020 18:47

Tgt Ion: 98 Resp: 555517

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061756.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN061756.D (-2484) (-)

10.06

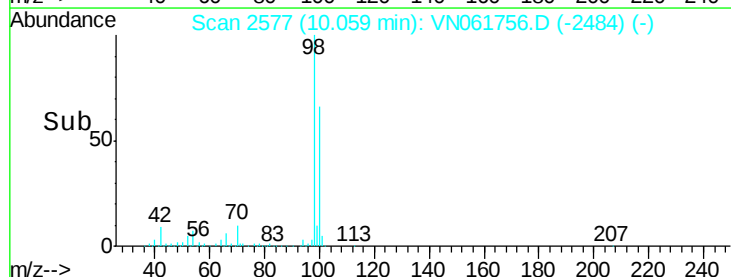
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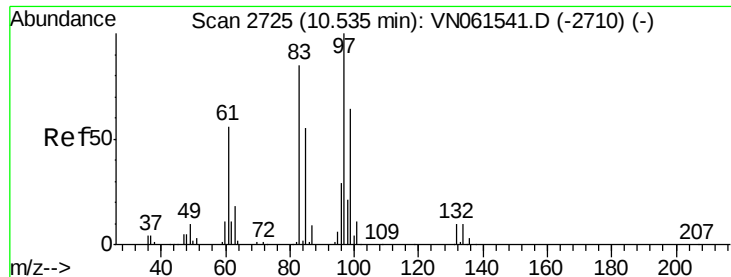
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Time-->





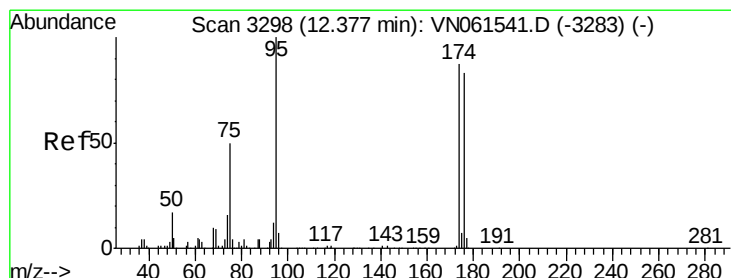
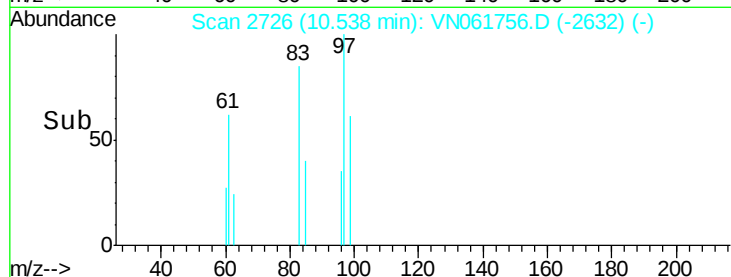
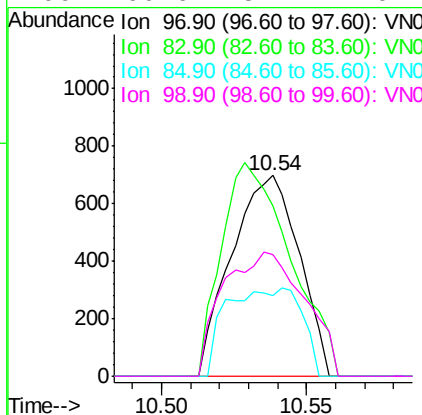
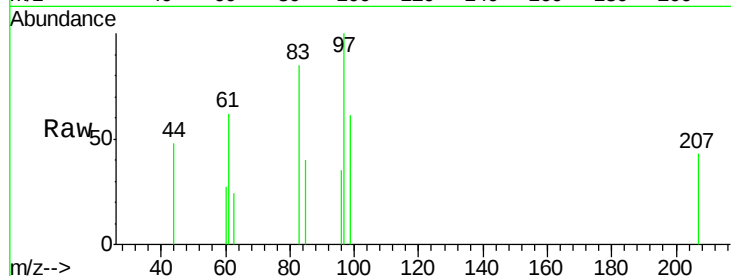
#55
 1,1,2-Trichloroethane
 Concen: 0.347 ug/l
 RT: 10.54 min Scan# 2726
 Delta R.T. 0.00 min
 Lab File: VN061756.D
 Acq: 11 Jun 2020 18:47

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D5-20200608

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.1	102.1
85	40.4	44.1	66.1
99	60.6	51.1	76.7

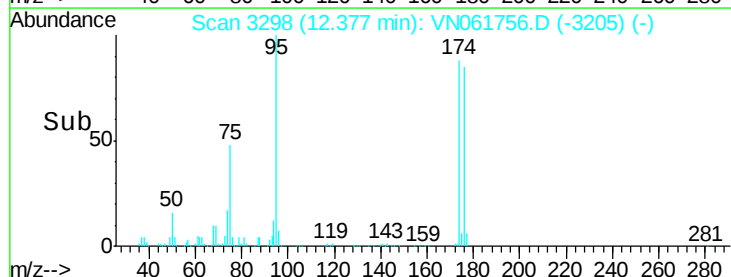
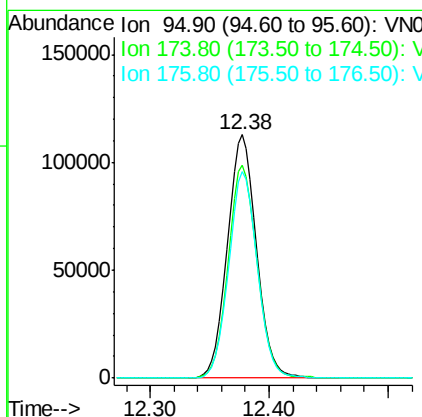
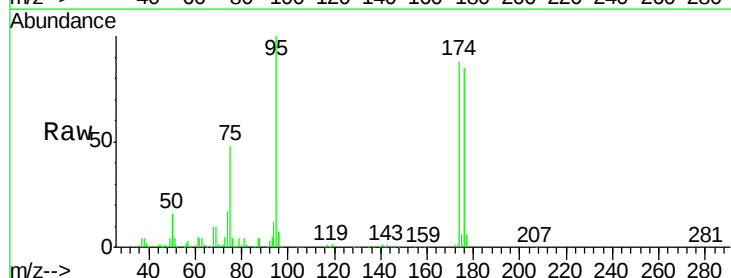
Manual Integrations
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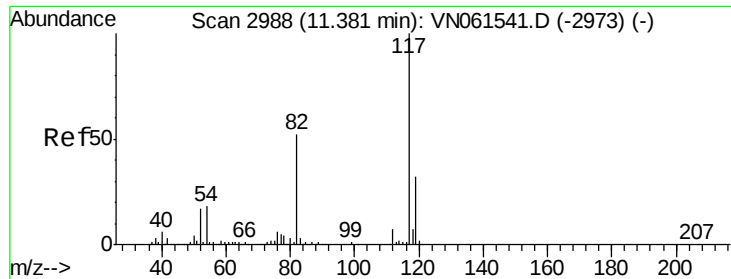
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 6/12/2020 5:46:16 PM



#62
 4-Bromofluorobenzene
 Concen: 48.575 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061756.D
 Acq: 11 Jun 2020 18:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.1	0.0	172.8
176	83.6	0.0	164.8





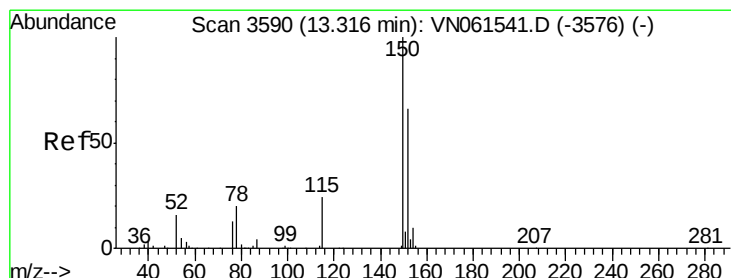
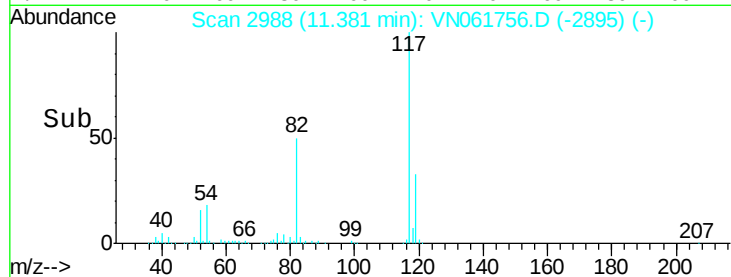
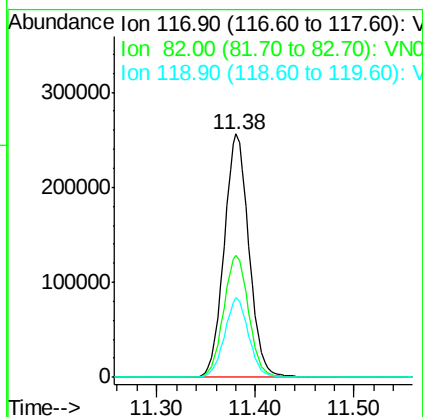
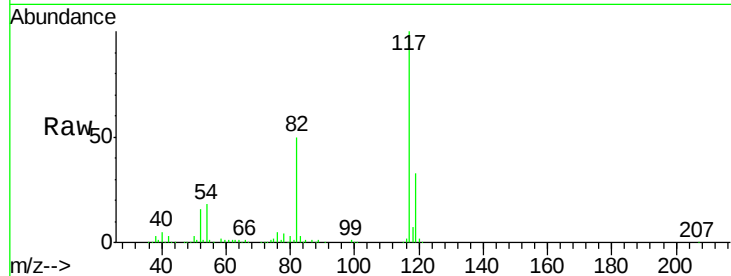
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061756.D
Acq: 11 Jun 2020 18:47

Instrument :
MSVOA_N
ClientSampleId :
RE132D5-20200608

Tot Ion	Ratio	Resp	Lower	Upper
117	100	451630		
82	50.3	41.5	62.3	
119	32.5	25.6	38.4	

Manual Integrations
APPROVED

MMDadoda
6/12/2020 5:46:16 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061756.D
Acq: 11 Jun 2020 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	200658		
115	56.7	28.0	84.0	
150	158.1	0.0	344.0	

